|          | Index of Claims |          |                   |                 |                |                |                |         |                            |           |                    |            |          |                 | 10/<br>Exa   | 10/849,979<br>Examiner<br>Prema M. Mertz |          |              |                 |          |          |          |          |            |                     | RUBEN ET AL.  Art Unit  1646 |        |            |              |          |          |            |   |
|----------|-----------------|----------|-------------------|-----------------|----------------|----------------|----------------|---------|----------------------------|-----------|--------------------|------------|----------|-----------------|--------------|--|----------|--------------|-----------------|----------|----------|----------|----------|------------|---------------------|------------------------------|--------|------------|--------------|----------|----------|------------|---|
|          |                 |          |                   | Rejected        |                |                | [-             | -       | (Through nume<br>Cancelled |           |                    |            | era      | rai)            |              | N  | N        | Non-Elected  |                 |          | d        |          | A        | Appeal     |                     |                              |        |            |              |          |          |            |   |
|          | Claim           |          | =                 | Allowed         |                |                |                | +       | -                          |           | R                  | Restricted |          |                 |              |  | ı        | Interference |                 | Claim    |          | 0        | Objected |            |                     |                              |        |            |              |          |          |            |   |
| Г        |                 |          | \$                |                 |                |                |                |         |                            | ٦:::      | Claim              |            | Da       |                 | Dat          | · · ·                                    |          |              |                 |          | ::[      |          |          |            |                     | Ι                            | -      | ٦          |              |          |          |            |   |
| -        |                 |          |                   |                 | T              | Ť              | T              | T       | Т                          | Т         | -                  |            |          | T               | Т            | T  |          | Ť            | П               |          | -        | H        | - 1      |            | П                   | T                            | Т      | T          | Ť            | П        |          |            |   |
|          | Final           | Original | 11/29/05          | /               |                | i<br>i         |                |         |                            |           |                    | Final      | Original |                 |              |  |          |              |                 |          |          |          | Final    | Original   |                     |                              |        |            |              |          |          | ı          |   |
| L        |                 | 1        | 3                 |                 |                |                |                |         |                            | 1         |                    |            | 51       |                 |              |  | <u> </u> |              |                 |          |          |          |          | 101        |                     |                              |        |            |              |          |          |            |   |
|          |                 | 2        | H                 |                 | 4              | $\perp$        | +              | -       | +                          | 4         | -                  | <u> </u>   | 52<br>53 | H               | +            | - -                                      | ╁        | ├-           | $\sqcup$        | $\dashv$ |          | -        |          | 102<br>103 | $\vdash$            |                              | +      | $\vdash$   | _            | $\sqcup$ | -        | 4          |   |
| -        |                 | 3        | H                 | $\dashv$        | $\dashv$       | +              | +              | +       | +                          | +         | $\dashv$           |            | 54       | H               | +            | +  | ╁        | ╁            | $\vdash$        |          |          | ╟        |          | 104        | $\vdash$            | +                            | +      | 1          | H            | $\vdash$ | +        | -          |   |
|          |                 | 5        |                   |                 |                | 1              |                | T       | I                          | 1         |                    |            | 55       |                 |              |  | 1        |              |                 |          |          |          |          | 105        |                     |                              |        |            |              |          | #        |            |   |
| -        |                 | 6<br>7   | H                 |                 | +              | +              | - -            | +       | ╀                          | +         | -                  | <u> </u>   | 56<br>57 | -               | +            | -  | ┼        | ╀            | ├┤              | $\dashv$ |          | H        |          | 106<br>107 | $\vdash$            |                              | +-     | ╁          | -            | Н        | -        | -          |   |
| F        |                 | 8        | $\dagger \dagger$ | $\dashv$        | $\dashv$       | +              | +              | +       | 十                          | +         | $\dashv$           |            | 58       | $\vdash$        | +            | ╅  | +-       | ╁            | H               | $\dashv$ |          | ╟        |          | 108        | H                   | $\top$                       | +      | $\dagger$  |              |          | +        | -          |   |
| F        |                 | 9        | П                 |                 |                | $\blacksquare$ |                |         | Ţ                          | Ţ         |                    |            | 59       |                 | $\bot$       | $\perp$                                  | ļ        | L            |                 |          |          |          |          | 109        |                     |                              |        | 1_         |              |          |          |            |   |
| }        |                 | 10<br>11 | ${\mathbb H}$     |                 | +              | +              | +              | +-      | ╁                          | ╀         |                    | ļ          | 60<br>61 | $\vdash$        | +            | +  | +        | ├            | $\vdash$        |          |          | $\vdash$ |          | 110<br>111 | Н                   | +                            | ╁      | ╁          | ļ            | $\vdash$ | +        | -          |   |
|          |                 | 12       | H                 |                 |                | +              | 1              | +       | $\dagger$                  | $\dagger$ | -                  |            | 62       | $\Box$          | +            | 十  | Τ.       |              | H               |          | 1        | E        |          | 112        |                     |                              |        |            |              |          |          | <b>j</b> . |   |
|          |                 | 13       |                   |                 |                | I              | 1              | 1       | Ţ                          | Ţ         | _                  |            | 63       |                 | 1            |  | $\perp$  |              | Ш               |          | _        | F        |          | 113        |                     | $\perp$                      |        | L          | L            |          |          |            |   |
| -        |                 | 14<br>15 |                   |                 | -              | +              | -              | +       | +                          | +         | -                  | -          | 64<br>65 | $\vdash$        | +            | +  | +        | ┢            |                 | $\dashv$ | -        | -        | $\dashv$ | 114<br>115 | $\vdash$            | -                            | +      | ┼          | ├            | $\vdash$ | -        | _          |   |
| <b> </b> |                 | 16       | $\dagger \dagger$ | H               | 1              | $\dagger$      | +              | 十       | $\dagger$                  | ╁         | -                  | -          | 66       | H               | $\dagger$    | +  | +        |              | H               | $\dashv$ | 1        | -        |          | 116        |                     | 1                            | $\top$ | †-         | <u> </u>     | H        | $\top$   |            |   |
|          |                 | 17       |                   |                 | $\Box$         | 1              |                | $\perp$ | 1                          | Ţ         | _                  |            | 67       |                 | 1            |  |          |              | П               |          |          |          |          | 117        |                     |                              |        | <u> </u>   |              | Ш        |          |            |   |
| F        |                 | 18<br>19 | ₩                 | $\dashv$        | $\dashv$       | +              | +              | +       | ∔                          | +         | -                  | -          | 68<br>69 | H               | +            | _  | ╁        | -            | $\vdash$        | -        |          | H        |          | 118<br>119 |                     |                              | +      | 1          | H            | $\vdash$ | -        | -          | ٠ |
| r        |                 | 20       | H                 | $\dashv$        | 十              | Ŧ              | $\top$         | -       | +                          | +         | -                  |            | 70       | Ħ               | $\dagger$    | +  | +-       | <u> </u>     |                 |          |          |          |          | 120        |                     | $\neg \uparrow$              |        |            | T            |          |          |            |   |
|          |                 | 21       | П                 |                 |                |                | $\blacksquare$ |         | I                          | Ţ         |                    |            | 71       |                 |              |  | 1        |              | Ш               |          | _        | F        |          | 121        |                     | _                            | 1      | Ι.         | $oxed{oxed}$ | $\sqcup$ | $\bot$   |            |   |
| -        |                 | 22<br>23 | H                 |                 | $\dashv$       | +              | +              | +       | +                          | +         | -                  | -          | 72<br>73 | $\vdash$        | +            | +  | +-       | +            | $\vdash$        | -        | $\dashv$ | -        |          | 122<br>123 | ╁╌┤                 | +                            | +      | +          | ┢            | ╁┼       | +        | -          |   |
| l        | -               | 24       | V                 |                 | $\dashv$       | $^{\dagger}$   |                | +       | $^{\dagger}$               | $\dagger$ |                    |            | 74       |                 | $\dagger$    |  | †        |              |                 |          |          |          |          | 124        |                     | $\top$                       | $\top$ |            |              |          |          |            |   |
|          |                 | 25       |                   |                 | $\blacksquare$ | $\Box$         | $\perp$        |         | Ţ                          | T         | _                  |            | 75       | П               | 1            |  | 1        |              | П               | ·        |          | L        |          | 125        |                     | _                            | _      | 1_         | igspace      | $\sqcup$ | $\perp$  |            |   |
| -        |                 | 26<br>27 | -                 | $\vdash \vdash$ | $\dashv$       | +              | +              | +       | +                          | +         | -                  | -          | 76<br>77 | $\vdash \vdash$ | +            | +  | +        | <del> </del> | H               | $\dashv$ | -        | -        |          | 126<br>127 | ┥                   | $\dashv$                     | +      | $\vdash$   | $\vdash$     | $\vdash$ | +        | -          |   |
| ľ        |                 | 28       |                   |                 | $\exists$      | #              | 1              | 士       | İ                          | 1         |                    |            | 78       |                 | $\perp$      |  | $\perp$  |              |                 |          |          | L        |          | 128        |                     |                              |        |            |              | 口        |          |            |   |
|          |                 | 29       |                   |                 | $\Box$         | Ţ              | I              | Ţ       | T                          | Ţ         | ]                  |            | 79       | П               | T            | 1  | $\Box$   |              | П               | $\Box$   | 4        | F        |          | 129        | П                   |                              | T      | oxdapsilon | Е            | П        |          |            |   |
| -        |                 | 30<br>31 | _                 | $\dashv$        | +              | +              | +              | +       | ╀                          | +         | -                  | -          | 80<br>81 | $\vdash$        | +            | +  | +        | -            | $\vdash$        |          | $\dashv$ | ⊩        |          | 130<br>131 | H                   | +                            | +-     | ╁          | $\vdash$     | $\vdash$ | +        | -          |   |
| -        |                 | 32       |                   |                 | _              | _†             | $\pm$          | $\pm$   | $\pm$                      | †         | _                  |            | 82       |                 | 士            | _  | 1        | $\perp$      | 目               | _        |          |          |          | 132        |                     |                              | 1      | T          |              |          |          |            |   |
|          |                 | 33       |                   |                 |                | $\downarrow$   | $\bot$         | 1       | Ţ                          | 1         |                    |            | 83       |                 | 1            |  |          |              | П               | $\Box$   | 1        | L        |          | 133        | П                   | 1                            | $\bot$ | L          |              | П        | $\perp$  |            |   |
| }        |                 | 34<br>35 |                   | $\dashv$        | +              | +              | +              | +       | +                          | +         | -                  | <u> </u>   | 84<br>85 | $\vdash \vdash$ | +            | +  | +        | -            | $\vdash \vdash$ | $\dashv$ |          | ⊩        |          | 134<br>135 | $\vdash$            |                              | +-     | ╀          | $\vdash$     | $\vdash$ | +        | -          |   |
| .        |                 | 36       |                   | -               | $\dashv$       | +              | +              | +       | +                          | +         | $\dashv$           | -          | 86       | -               | +            | +  | +        | $\vdash$     | H               | -        | $\dashv$ | -        |          | 136        | $\vdash \vdash$     | $\dashv$                     | +      | T          | $\vdash$     | $\vdash$ | +        |            |   |
|          |                 | 37       |                   |                 | $\Box$         | $\perp$        | ightharpoons   | T       | I                          | I         | $\exists$          |            | 87       |                 | $\top$       | I  | T        |              |                 |          |          | E        |          | 137        | П                   |                              |        | <u> </u>   |              |          |          |            |   |
| -        |                 | 38<br>39 | _                 | $\sqcup$        | +              | +              | +              | +       | +                          | +         | -                  | <u> </u>   | 88       | $\vdash \vdash$ | +            | _  | +-       | ┼-           | $\vdash$        |          | -        | -        |          | 138<br>139 | $\vdash \vdash$     | -                            | +      | ┼-         | -            |          | +        | -          |   |
| -        |                 | 40       | -                 | $\vdash$        | -+             | +              | +              | +       | +                          | +         | $\dashv$           | $\vdash$   | 90       | $\vdash$        | +            | +  | +        | ╁╴           | ١,              | $\dashv$ | $\dashv$ | H        |          | 140        | $\vdash$            | $\dashv$                     | +      | +          | $\vdash$     | $\vdash$ | +        | -          |   |
|          |                 | 41       |                   |                 |                |                | 工              |         | I                          | I         |                    |            | 91       |                 | $\downarrow$ | 1  |          |              |                 |          |          | L        |          | 141        |                     |                              |        |            |              | П        | $\bot$   | ]          |   |
| -        |                 | 42<br>43 | -                 |                 | $\dashv$       | -              | +              | +       | +                          | +         | -                  | <u> </u>   | 92       | $\vdash$        | +            | +  | +        | ╀            | $\vdash \vdash$ |          | -        | -        |          | 142<br>143 | $\vdash$            |                              | +      | $\vdash$   | _            | $\vdash$ | +        | 4          |   |
| -        |                 | 44       | $\vdash$          | $\dashv$        | +              | +              | +              | +       | +                          | +         | $\dashv \parallel$ | -          | 93       | $\vdash \vdash$ | +            | $\dashv$                                 | +        | $\vdash$     | $\vdash \vdash$ | $\dashv$ | -        | ╟        |          | 143<br>144 | $\vdash$            | +                            | +      | +          | -            | -        | +        | 1          |   |
|          |                 | 45       |                   |                 | $\Box$         |                | 1              | T       | 1                          | 1         |                    |            | 95       |                 | 丰            | 丰  | L        | L            | 口               |          |          |          |          | 145        | П                   | 1                            |        |            |              |          | $\perp$  |            |   |
| -        |                 | 46       |                   | _               | 4              | _              | +              | +       | +                          | $\perp$   | -                  | <u> </u>   | 96<br>97 | $\sqcup$        | +            | +  | $\perp$  | $\vdash$     | $\sqcup$        | $\dashv$ | -        | _        |          | 146        | $\vdash \downarrow$ | -                            | +      | $\vdash$   | <u> </u>     | $\vdash$ | -        | -          |   |
| -        |                 | 47<br>48 |                   | $\dashv$        | +              | +              | +              | +       | +                          | +         | -                  | -          | 98       | $\vdash$        | +            | +  | ╁        | $\vdash$     | H               | ᅱ        | $\dashv$ | -        |          | 147<br>148 | $\vdash$            | +                            | +      | $\vdash$   | +            | $\vdash$ | $\dashv$ | _          |   |
|          |                 | 49       |                   |                 |                | 士              |                | 士       | İ                          | 1         |                    |            | 99       |                 | 土            | 士  |          |              |                 |          |          |          |          | 149        |                     |                              | 上      |            |              |          |          |            |   |
|          |                 | 50       |                   | $oxed{\bot}$    | $\perp$        | $\perp$        | $\bot$         |         |                            | $\perp$   | _];;;              |            | 100      | Ш               |              |  | 工        |              |                 |          | _]!!!    |          | $\Box$   | 150        |                     | $oldsymbol{\mathbb{T}}$      |        |            |              |          |          | ╛          |   |